



STIC Search Report

EIC 2100

STIC Database Tracking Number: 218069

TO: Cheryl Lewis
Location: RND 3b07
Art Unit: 2167
Tuesday, March 13, 2007

Case Serial Number: 10/635728

From: Byron T. Mims
Location: EIC 2100
RND-4B19
Phone: 272-3528

byron.mims@uspto.gov

Search Notes

Cheryl

Enclosed are art findings that may be of interest. I have tagged as well as highlighted the enclosed retrieved items, which seemed most relevant. Let me know if there is anything in particular that you would like for me to pursue further.

Byron



218069

STIC EIC 2100 Search Request Form

Today's Date:

3/13/2007

What date would you like to use to limit the search?

Priority Date: 8/5/2003 Other:

Name Cheryl Lewis

AU 2147 Examiner # 72314

Room # 3207 Phone 2-4113

Serial # 10/635, 728

Format for Search Results (Circle One):

☒ PAPER ☐ DISK ☐ EMAIL

Where have you searched so far?

☒ USP ☐ DWPI ☐ EPO ☐ JPO ☐ ACM ☐ IBM TDB
☐ IEEE ☐ INSPEC ☐ SPI OtherIs this a "Fast & Focused" Search Request? (Circle One) ☒ YES ☐ NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Is this request for a BOARD of APPEALS case? (Circle One) YES ☐ NO ☒Is this case a SPECIAL CASE? (Circle One) YES ☐ NO ☒

Please see Attached document.

STIC Searcher

BMM

Phone

2-3528

Date picked up

3/13/07

Date Completed

3/13/07



Set	Items	Description
S1	24697	(NEW??? OR ENHANC? OR UPDATE? ? OR UPDATING? OR UP()DATE? ? OR MODIF? OR REVIS??? OR META) (7N) (SEARCH? OR RESEARCH? OR RETRIEV? OR INQUIR? OR QUERY? OR QUERIES OR REQUEST? OR METAQUER? OR DATAMIN? OR DATA()MIN??? ?)
S2	3826	S1(7N) (CREAT? OR PRODUC? OR DEVELOP? OR ORIGINAT? OR MAKE? OR MAKING? OR MADE OR GENERAT?)
S3	69238	(ORIGINAL? OR HISTOR? OR OLD??? OR PREVIOUS? OR PRIOR OR STORE? ? OR EARLY OR EARLIE? ? OR PRECED??? OR REFEREN?) (7N) (SEARCH? OR RESEARCH? OR RETRIEV? OR INQUIR? OR QUERY? OR QUERIES OR REQUEST?)
S4	18323	S3(7N) (USED OR USES OR USING OR UTILI? OR APPLY? OR APPLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR IMPLEMENT? OR BENEFIT? OR REFERENC?)
S5	297	S2 AND S4
S6	0	S5 AND (METAQUER? OR META()QUER??? ?)
S7	0	S5 AND (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DETERMIN?) (5N) (BUSINESS? OR COMPAN? OR INDUSTR?) (3N) (PERFORMANCE? OR OUTLOOK? OR WORTH)
S8	1	S2 AND (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DETERMIN?) (5N) (BUSINESS? OR COMPAN? OR INDUSTR?) (3N) (PERFORMANCE? OR OUTLOOK? OR WORTH)
S9	2	S1 AND (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DETERMIN?) (5N) (BUSINESS? OR COMPAN? OR INDUSTR?) (3N) (PERFORMANCE? OR OUTLOOK? OR WORTH)
S10	2	S8:S9
S11	4	S3:S4 AND (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DETERMIN?) (5N) (BUSINESS? OR COMPAN? OR INDUSTR?) (5N) (PERFORMANCE? OR OUTLOOK? OR WORTH)
S12	3	S11 NOT S9

File 350:Derwent WPIX 1963-2006/UD=200717
(c) 2007 The Thomson Corporation

File 347:JAPIO Dec 1976-2006/Nov(Updated 070228)
(c) 2007 JPO & JAPIO

** Your Assignee **

10/69,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0014824210 - Drawing available
WPI ACC NO: 2005-171900/200518
XRPX Acc No: N2005-143470

Performance prediction system for use in e.g. Internet, has prediction component using actual and predicted performance of entities and statistical correlation to predict performance based on past and present query data

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)

Inventor: CHESS D M; KRASIKOV S; CHESS D

Patent Family (5 patents, 107 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20050033734	A1	20050210	US 2003635728	A	20030805	200518 B
WO 2005017667	A2	20050224	WO 2004US23752	A	20040723	200518 E
EP 1652050	A2	20060503	EP 2004779010	A	20040723	200629 E
			WO 2004US23752	A	20040723	
KR 2006061789	A	20060608	WO 2004US23752	A	20040723	200674 E
			KR 2006700239	A	20060104	
CN 1829991	A	20060906	CN 200480021943	A	20040723	200706 E

Priority Applications (no., kind, date): US 2003635728 A 20030805

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20050033734	A1	EN	9	3	
WO 2005017667	A2	EN			

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States, Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

EP 1652050 A2 EN PCT Application WO 2004US23752
Based on OPI patent WO 2005017667

Regional Designated States, Original: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

KR 2006061789 A KO PCT Application WO 2004US23752
Based on OPI patent WO 2005017667

Alerting Abstract US A1

NOVELTY - The system has a query component (110) receiving queries (120) for data relevant to probability that a transaction with an entity is successful. A **meta - query** component returns information regarding previously submitted **queries**. A performance prediction component (113) uses actual and predicted performance of entities and statistical correlations to predict performance based on past and present query data.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.a method to provide performance prediction information
- 2.a computer program product stored on a computer readable media for directing operations of a data processor to execute a method to receive submitted queries for performance prediction information

3.a communication device for operation with a performance prediction service.

USE - Used in a data communications network e.g. Internet, that is utilized for online auction and user rating system application.

ADVANTAGE - The performance prediction component uses the actual and predicted performance of entities and statistical correlations to predict performance based on past and present **query** data, thus **enhancing** performance prediction results to a user.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram that depicts components of a performance prediction service.

102 Query database
105 Communication device
110 Query component
112 Data gathering component
113 Performance prediction component
120 Queries

Title Terms/Index Terms/Additional Words: PERFORMANCE; PREDICT; SYSTEM; COMPONENT; ACTUAL; ENTITY; STATISTICAL; CORRELATE; BASED; PASS; PRESENT; QUERY; DATA

Class Codes

International Classification (Main): G06F

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0001/00	A	I	F	B	19680901
G06F-0011/22	A	I	F	B	20060101
G06F-0017/30	A	I		R	20060101
G06F-0017/30	A	I	F	B	20060101
G06Q-0040/00	A	I		R	20060101
G06F-0017/30	A	I	F		20060101
G06F S I			R		20060101
G06F-0017/30	C	I		R	20060101
G06Q-0040/00	C	I		R	20060101
G06F-0017/30	C	I			20060101

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J03; T01-J05B3; T01-N03A2; T01-S03

Alerting Abstract ...120) for data relevant to probability that a transaction with an entity is successful. A **meta - query** component returns information regarding previously submitted **queries**. A performance prediction component (113) uses actual and predicted performance of entities and statistical correlations...

...predicted performance of entities and statistical correlations to predict performance based on past and present **query** data, thus **enhancing** performance prediction results to a user...

Original Publication Data by Authority

Original Abstracts:

...prediction system and service that uses acquired knowledge of queries that are received to make **predictions** concerning the **future performance** of certain entities, such as **business** entities. By analyzing query patterns and the actual or **predicted performance** of **business** entities, the **performance prediction** service is enabled to observe correlations between queries, query patterns and performance that can be...

...prediction system and service that uses acquired knowledge of queries that are received to make **predictions** concerning the **future performance** of certain entities, such as **business** entities. By analyzing query patterns and the actual or **predicted performance** of **business** entities, the **performance prediction** service is enabled to observe correlations between queries, query patterns and performance that can be...

...prediction system and service that uses acquired knowledge of queries that are received to make **predictions** concerning the **future performance** of certain entities, such as **business** entities. By analyzing query patterns and the actual or **predicted performance** of **business** entities, the **performance prediction** service is enabled to observe correlations between queries, query patterns and performance that can be...

Claims:

...an entity will be successful; a data gathering component for storing relevant data about submitted **queries** ; and a **meta - query** component responsive to a **meta - query** for returning information regarding previously submitted **queries**.>

** Your ASSIGNEE **

10/69,K/2 (Item 2 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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0013881804 - Drawing available
WPI ACC NO: 2004-060713/200406
XRPX Acc No: N2004-049156

Product configuration determining method for database management systems, involves accessing requirements associated with set of underlying basics and generating recommendation with product for customer presentation

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: SYKES H

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20030225772	A1	20031204	US 2002160922	A	20020531	200406 B

Priority Applications (no., kind, date): US 2002160922 A 20020531

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20030225772	A1	EN	9	3	

Alerting Abstract US A1

NOVELTY - The method involves **querying** a relational database (101) for a **meta**-data and **generating** a requirement dialog for a customer input. The input data indicating customer requirements is accepted and the requirements are associated with a set of underlying basics. The database is accessed based on the basics and a recommendation containing a configured product, which meets the requirements is generated for customer presentation.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.a program product for determining product configuration
- 2.an apparatus for determining product configuration.

USE - Used for determining a product configuration in a database management system.

ADVANTAGE - The relational database efficiently produce competitive product configurations, which meet customers requirements for various workloads using different and changing specifications. The customers requirement input can be automatically filled in from secondary sources data, thereby identifying invalid configurations and eliminating keying errors.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram of a data flow utilizing multiple databases and tables.

- 101 Relational database
- 102 Secondary database
- 106 Access program
- 109 Maintenance program 1
- 112 Configured system

Title Terms/Index Terms/Additional Words: PRODUCT; CONFIGURATION; DETERMINE ; METHOD; DATABASE; MANAGEMENT; SYSTEM; ACCESS; REQUIRE; ASSOCIATE; SET; UNDERLYING; GENERATE; CUSTOMER; PRESENT

Class Codes

International Classification (Main): G06F-017/00

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F05B2; T01-J05A; T01-J05B4M; T01-N01A; T01-S03

Original Titles:

Business method for **determining** required product configurations to meet varied **performance** requirements

...NOVELTY - The method involves **querying** a relational database (101) for a **meta** -data and **generating** a requirement dialog for a customer input. The input data indicating customer requirements is accepted...

Original Publication Data by Authority

Claims:

...data; (B) querying the relational database for the meta-data and generating a requirements dialog **for** customer input as a function **of** the meta- **data** which reflects the current structure of the relational database; (C) accepting customer input data indicating...

12/69,K/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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0011075016 - Drawing available

WPI ACC NO: 2002-010190/200201

Related WPI Acc No: 2003-091442

XRPX Acc No: N2002-008531

E-commerce installation monitoring method involves reading log files and querying databases for obtaining stored information and graphically presenting obtained measurements

Patent Assignee: AGILENT TECHNOLOGIES INC (AGIL-N); BARTZ T G (BART-I); KEHOE J W (KEHO-I); LEHMANN R (LEHM-I); SHRUM K W (SHRU-I)

Inventor: BARTZ T G; BELL M A; KEHOE J W; LEHMANN R; NELSON E M; SHRUM K W; SMITH M D

Patent Family (13 patents, 30 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20010037374	A1	20011101	US 2000200295	P	20000428	200201 B
			US 2001825403	A	20010403	
WO 2001084335	A1	20011108	WO 2001US11826	A	20010410	200201 E
WO 2001084337	A1	20011108	WO 2001US13714	A	20010427	200201 E
WO 2001084432	A1	20011108	WO 2001US13710	A	20010427	200201 E
WO 2001084273	A2	20011108	WO 2001US13705	A	20010427	200201 E
AU 200153377	A	20011112	AU 200153377	A	20010410	200222 E
AU 200157375	A	20011112	AU 200157375	A	20010427	200222 E
AU 200159229	A	20011112	AU 200159229	A	20010427	200222 E
AU 200161069	A	20011112	AU 200161069	A	20010427	200222 E
EP 1277126	A1	20030122	EP 2001926869	A	20010410	200308 E
			WO 2001US11826	A	20010410	
EP 1277127	A1	20030122	EP 2001932723	A	20010427	200308 E
			WO 2001US13714	A	20010427	
EP 1277156	A1	20030122	EP 2001930881	A	20010427	200308 E
			WO 2001US13710	A	20010427	
EP 1277310	A2	20030122	EP 2001934927	A	20010427	200308 E
			WO 2001US13705	A	20010427	

Priority Applications (no., kind, date): US 2000200295 P 20000428; US 2001825403 A 20010403

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20010037374	A1	EN	5	1	Related to Provisional US 2000200295
WO 2001084335	A1	EN			
National Designated States,Original: AU CN JP					
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR					
WO 2001084337	A1	EN			
National Designated States,Original: AU CN JP					
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR					
WO 2001084432	A1	EN			
National Designated States,Original: AU CN JP					
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR					
WO 2001084273	A2	EN			
National Designated States,Original: AU CN JP					
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR					
AU 200153377	A	EN			Based on OPI patent WO 2001084335
AU 200157375	A	EN			Based on OPI patent WO 2001084432

AU 200159229	A	EN	Based on OPI patent	WO 2001084337
AU 200161069	A	EN	Based on OPI patent	WO 2001084273
EP 1277126	A1	EN	PCT Application	WO 2001US11826
			Based on OPI patent	WO 2001084335
Regional Designated States,Original:			AL AT BE CH CY DE	DK ES FI FR GB GR
	IE IT LI LT LU LV MC MK NL PT RO	SE SI TR		
EP 1277127	A1	EN	PCT Application	WO 2001US13714
			Based on OPI patent	WO 2001084337
Regional Designated States,Original:			AL AT BE CH CY DE	DK ES FI FR GB GR
	IE IT LI LT LU LV MC MK NL PT RO	SE SI TR		
EP 1277156	A1	EN	PCT Application	WO 2001US13710
			Based on OPI patent	WO 2001084432
Regional Designated States,Original:			AL AT BE CH CY DE	DK ES FI FR GB GR
	IE IT LI LT LU LV MC MK NL PT RO	SE SI TR		
EP 1277310	A2	EN	PCT Application	WO 2001US13705
			Based on OPI patent	WO 2001084273
Regional Designated States,Original:			AT BE CH CY DE DK	ES FI FR GB GR IE
	IT LI LU MC NL PT SE TR			

Alerting Abstract US A1

NOVELTY - The stored information regarding the performance measurement of the installation is obtained by reading the log files and querying the databases. The obtained measurement is then indicated graphically.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. Software product for testing and monitoring a web based business application;
2. Computer system operating method

USE - For monitoring business and financial performance in e-commerce in real-time.

ADVANTAGE - The e-commerce installation monitoring method assesses and reports key business and financial measurements and are delivered in real-time allowing e-commerce businesses to quickly determine current financial and business **performance** . Thus quick **detection** and response to **variations** are enabled.

DESCRIPTION OF DRAWINGS - The figure illustrates the four tier construction of an Internet server system.

Title Terms/Index Terms/Additional Words: INSTALLATION; MONITOR; METHOD;
READ; LOG; FILE; OBTAIN; STORAGE; INFORMATION; GRAPHICAL; PRESENT;
MEASURE

Class Codes

International Classification (Main): G06F, G06F-015/16, G06F-017/60,
G06F-009/46, H04L-012/26
(Additional/Secondary): G06F-015/00, G06F-015/173, G06F-003/14

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H07C5A; T01-H07C5E; T01-H07C5S; T01-J03;
T01-J05A2; T01-J05B3; T01-J10C1; T01-S03

E-commerce installation monitoring method involves reading log files and querying databases for obtaining stored information and graphically presenting obtained measurements

Alerting Abstract ...delivered in real-time allowing e-commerce businesses to quickly determine current financial and business performance . Thus quick **detection** and response to **variations** are enabled...

Original Publication Data by Authority

Claims:

...the log files and querying the databases to obtain information stored therein, said information comprising **performance** measurements of the installation; and **graphically** presenting said measurements.

Set	Items	Description
S1	25138	(NEW??? OR ENHANC? OR UPDATE? ? OR UPDATING? OR UP()DATE? ? OR MODIF? OR REVIS??? OR META) (7N) (SEARCH? OR RESEARCH? OR RETRIEV? OR INQUIR? OR QUERY? OR QUERIES OR REQUEST? OR METAQUER? OR DATAMIN? OR DATA()MIN??? ? OR METADATA?)
S2	4253	S1(7N) (CREAT? OR PRODUC? OR DEVELOP? OR ORIGINAT? OR MAKE? OR MAKING? OR MADE OR GENERAT? OR YIELD? OR CONSTRUCT? OR INITIAT? OR INTRODUC?)
S3	70095	(ORIGINAL? OR HISTOR? OR OLD??? OR PREVIOUS? OR PRIOR OR STORE? ? OR EARLY OR EARLIE? ? OR PRECED??? OR REFEREN?) (7N) (SEARCH? OR RESEARCH? OR RETRIEV? OR INQUIR? OR QUERY? OR QUERIES OR REQUEST? OR METAQUER? OR METADATA? OR META()QUER??? ?)
S4	18573	S3(7N) (USED OR USES OR USING OR UTILI? OR APPLY? OR APPLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR IMPLEMENT? OR BENEFIT? OR REFERENC?)
S5	341	S2 AND S4
S6	5	S1:S5 AND (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DETERMIN?) (5N) (BUSINESS? OR COMPAN? OR INDUSTR?) (3N) (PERFORMANCE? OR OUTLOOK? OR WORTH)
S7	341	S5 NOT S6
S8	34	S5 AND (NEW??? OR ENHANC? OR UPDAT?) (3N) (QUER??? ?)
S9	34	S8 AND S4
S10	27	S9 NOT (PR>2003 OR PR=2004:2007)

File 350:Derwent WPIX 1963-2006/UD=200717
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File 347:JAPIO Dec 1976-2006/Nov(Updated 070228)
(c) 2007 JPO & JAPIO

10/69,K/4 (Item 4 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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0014831232 - Drawing available
WPI ACC NO: 2005-178922/200519
Related WPI Acc No: 2005-252852; 2005-331695; 2005-540971; 2005-541281;
2006-290361

XRPX Acc No: N2005-148971

Computer readable media stores image retrieval program including steps to screen several stored images based on query vectors constructed from low level features of initial image and to modify vectors using client feedback

Patent Assignee: MICROSOFT CORP (MICT)

Inventor: RUI Y

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6859802	B1	20050222	US 1999153730	P	19990913	200519 B
			US 2000660536	A	20000913	

Priority Applications (no., kind, date): US 1999153730 P 19990913; US 2000660536 A 20000913

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6859802	B1	EN	15	5	Related to Provisional US 1999153730

Alerting Abstract US B1

NOVELTY - An image is analyzed for several low level attributes/features and a set of multielement **query** vectors is formulated. **Stored** images are examined **using** the **query** vectors and if client-end feedback is acquired in response to transmission of a preliminary set of retrieved images, recasting of the query vectors is performed to facilitate refining of image search.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.image retrieval system;
- 2.method of generating query vector;
- 3.computer readable medium storing program for generating query vector;
- 4.method of generating weight to apply to query vector distance; and
- 5.computer readable medium storing program for generating weight to apply to query vector distance.

USE - Digitized storage of images for image retrieval/search applications.

ADVANTAGE - Enables the image retrieval procedures more precise.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart illustrating the image retrieval process.

Title Terms/Index Terms/Additional Words: COMPUTER; READ; MEDIUM; STORAGE; IMAGE; RETRIEVAL; PROGRAM; STEP; SCREEN; BASED; QUERY; VECTOR; CONSTRUCTION; LOW; LEVEL; FEATURE; INITIAL; MODIFIED; CLIENT; FEEDBACK

Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B2A; T01-J05B3; T01-J10E; T01-N03A2; T01-S03

...An image is analyzed for several low level attributes/features and a set of multielement **query** vectors is formulated. **Stored** images are examined **using** the **query** vectors and if client-end feedback is acquired in response to transmission of a preliminary...

Original Publication Data by Authority

Original Abstracts:

...two images match. According to other aspects, relevancy feedback received regarding previously retrieved images is **used during** the query **vector** generation and **the** distance determination to influence which images are subsequently retrieved.

Claims:

...new plurality of query vectors based at least in part on the feedback; generating a **weighting** of **feature** elements based **at** least in part on the feedback; and selecting a new set of potentially relevant images
...

...the plurality of feature vectors, wherein f_i represents a summation, over the images in the **set** of potentially **relevant** images, of a product of a relevance of the image and a distance between the...

Your Assignee

10/69,K/8 (Item 8 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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0013463174 - Drawing available
WPI ACC NO: 2003-554685/200352
XRPX Acc No: N2003-440467

Automatic search topic identification method in search engine, involves determining implicit change in search topic based on prior and new results obtained using search terms created from previous and current input queries

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: JOHNSON D E; OLES F J

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6574624	B1	20030603	US 2000640774	A	20000818	200352 B

Priority Applications (no., kind, date): US 2000640774 A 20000818

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6574624	B1	EN	6	2	

Alerting Abstract US B1

NOVELTY - The current input queries and previous input queries are combined to create search terms using which prior result and new result are obtained. The implicit change in the topic is determined based on the contents in the new result. Successive queries are provided by searching within a set of previous responses to narrow down the documents within the search, if implicit change is determined.

USE - For identifying search topic related to text document in search engine.

ADVANTAGE - Allows the user to quickly and accurately find the desired documents, by providing search queries based on previous and current queries input by the user.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart explaining the method of automatic topic identification method.

Title Terms/Index Terms/Additional Words: AUTOMATIC; SEARCH; TOPIC; IDENTIFY; METHOD; ENGINE; DETERMINE; IMPLICIT; CHANGE; BASED; PRIOR; NEW; RESULT; OBTAIN; TERM; CURRENT; INPUT; QUERY

Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-N03A2

Automatic search topic identification method in search engine, involves determining implicit change in search topic based on prior and new results obtained using search terms created from previous and current input queries

...**NOVELTY** - The current input queries and previous input queries are combined to create search terms using which prior result and new result are obtained. The implicit change in the topic is determined based on the contents in the new result. Successive queries are provided by searching within a set of previous responses to narrow down the documents...

Original Publication Data by Authority

Original Abstracts:

...drilling-down on a user's textual free-form natural language query uses a session **history** to interpret successive **queries** in the context of previous queries on a **topic** or topics and to detect an implicit switch in topic. By maintaining a session history of...

Claims:

...terms to search prior results (PR) and return new results (NR); and detecting an implicit **change** in topic **based** on the **session history**, said prior results (PR) and said new results (NR) in response to said input query...

Your Assignee

10/69,K/12 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0012988705 - Drawing available
WPI ACC NO: 2003-066419/200306
XRPX Acc No: N2003-051480

Transparent caching and query execution plan reusage method for database management, involves determining match between new query and old query for which execution plan has been already generated

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: ATTALURI G K; WISNESKI D J

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6466931	B1	20021015	US 1999364755	A	19990730	200306 B

Priority Applications (no., kind, date): US 1999364755 A 19990730

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6466931	B1	EN	8	3	

Alerting Abstract US B1

NOVELTY - A query containing a specific constant represented by a parameter name and for which an execution plan has been **generated**, is cached. A **new query** containing another constant is received. Signatures are **generated** for both the queries, so as to determine a match between them even if their constants differ. The already generated execution plan is reused by substituting the parameter name if the queries match.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- 1.Transparent caching and query execution plan reusage system; and
- 2.Computer readable medium storing transparent caching and query execution plan reusage program.

USE - For caching transparently and for reusing database query execution plan for database management in object-oriented relational database environment.

ADVANTAGE - Increases system speed, by avoiding the generation of a new query execution **plan** for a **new query** if an already generated **plan** is reusable, based on a flexible matching condition.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the operating environment.

Title Terms/Index Terms/Additional Words: TRANSPARENT; QUERY; EXECUTE; PLAN ; METHOD; DATABASE; MANAGEMENT; DETERMINE; MATCH; NEW; GENERATE

Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01; U14

Manual Codes (EPI/S-X): T01-H03A; T01-J05B3; T01-J05B4B; T01-S03; U14-A08B

Transparent caching and query execution plan reusage method for database management, involves determining match between new query and old query for which execution plan has been already generated

Alerting Abstract ...specific constant represented by a parameter name

and for which an execution plan has been **generated** , is cached. A **new query** containing another constant is received. Signatures are **generated** for both the queries, so as to determine a match between them even if their ...

...ADVANTAGE - Increases system speed, by avoiding the generation of a new query execution **plan** for a **new query** if an already generated **plan** is reusable, based on a flexible matching condition...

Original Publication Data by Authority

Original Abstracts:

...a parameter name. The method and system further include receiving a new query that contains a **second** constant and comparing the new query with the **first query** . A match is determined to exist even when the second constant fails to match the...

...in the query execution plan with the second constant from the new query, thereby avoiding **generating** a new query

Claims:

...name; (b) receiving a new query that contains a second constant; (c) generating signatures for **the new query** and the first query; (d) if the **signatures** match, comparing the **new query** with the first **query** and determining that a match exists even when the **second constant** fails to match the first constant; and (e) upon a match, reusing the first query

10/69,K/13 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0012494858 - Drawing available
WPI ACC NO: 2002-442353/200247
XRPX Acc No: N2002-348349

Query processing in computer database system involves extracting inner query block from original query and merging portion of inner query block with outer query block

Patent Assignee: ORACLE CORP (ORAC-N)
Inventor: WITKOWSKI A

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6370524	B1	20020409	US 1999283755	A	19990402	200247 B

Priority Applications (no., kind, date): US 1999283755 A 19990402

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6370524	B1	EN	23	6	

Alerting Abstract US B1

NOVELTY - A query comprising an inner query block included in an outer query block, is received. The inner query block is extracted from the original query and a portion of the inner query block is merged with the outer query block, to generate a transformed query which is then processed.

DESCRIPTION - An INDEPENDENT CLAIM is included for computer readable medium comprising query processing program.

USE - For processing query in computer database system.

ADVANTAGE - Since the received query is transformed, the number of processing steps is reduced.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart explaining the query processing method.

Title Terms/Index Terms/Additional Words: QUERY; PROCESS; COMPUTER; DATABASE; SYSTEM; EXTRACT; INNER; BLOCK; ORIGINAL; MERGE; PORTION; OUTER

Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-E01C; T01-J05B3; T01-S03

Original Publication Data by Authority

Original Abstracts:

Queries having a outer query block enclosing an inner **query** block, such as a **reference** to a view or a subquery, with a grouping operator, such as GROUP or DISTINCT...

...the inner query block into the outer query block. The FROM clause of the transformed **query** includes the tables **referenced** in the FROM clauses of the outer **query** block and the inner **query** block. A **new** GROUP BY clause is **created** for the outer **query** block that contains the rowids of tables **referenced** in the FROM list of the **original query** and the expressions in the GROUP BY clause of the inner query block. The outer...

Claims:

A method of processing a query in a database system, comprising the computer-implemented steps of :receiving an original query that contains an **inner** query block with a **grouping** operator, said inner query block being embedded in an outer query block;transforming the original...

10/69,K/14 . (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0012277202

WPI ACC NO: 2002-217957/200228

XRPX Acc No: N2002-167027

Hypertext documents evaluation method using search engine, involves calculating real relevance value for each document based on precalculated relevance value and cross references of document

Patent Assignee: DEUT TELEKOM AG (DEBP)

Inventor: EWERT M; HOPPE T; OERTEL H; PAULUS O K

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
DE 10029644	A1	20020117	DE 10029644	A	20000616	200228 B

Priority Applications (no., kind, date): DE 10029644 A 20000616

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
DE 10029644	A1	DE	5	0	

Alerting Abstract DE A1

NOVELTY - The evaluation of hypertext document is carried out in three phases namely **construction** phase, **updating** phase and **query** phase. The real relevance value for each document is calculated based on the relevance value precalculated in construction phase and cross **references** of the document determined in the **query** phase.

DESCRIPTION - An index server evaluates the hypertext document in three phases namely **construction** phase, **updating** phase and **query** phase. In the **construction** phase, a **new** document entry is applied for each address determined by the identified index references. A new term entry is applied for each identified concept, if specially marked test contents are identified in the document and a partial reference value is precalculated for each concept. In the updating phase, the documents whose contents are changed, are separated and the relevant term entries are **updated**. In the **query** phase, data are determined from the indexing component depending on the type of query such as simple query, complex query, Bootsche query or phrase query.

USE - For evaluation of hypertext documents using search engine.

ADVANTAGE - By calculating the real relevance value, more accurate indexing of hypertext document is enabled.

Title Terms/Index Terms/Additional Words: DOCUMENT; EVALUATE; METHOD; SEARCH; ENGINE; CALCULATE; REAL; RELEVANT; VALUE; BASED; CROSS; REFERENCE

Class Codes

International Classification (Main): G06F-017/30

(Additional/Secondary): G06F-003/00

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B1; T01-J05B3; T01-J11C1

Alerting Abstract ...NOVELTY - The evaluation of hypertext document is carried out in three phases namely **construction** phase, **updating** phase and **query** phase. The real relevance value for each document is calculated based on the relevance value precalculated in construction phase and cross **references** of the document determined in the **query** phase.
DESCRIPTION - An index server evaluates the hypertext document in three phases namely

construction phase, **updating** phase and **query** phase. In the **construction** phase, a **new** document entry is applied for each address determined by the identified index references. A new...

...phase, the documents whose contents are changed, are separated and the relevant term entries are **updated**. In the **query** phase, data are determined from the indexing component depending on the type of query such
...

10/69,K/15 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0011239041 - Drawing available
WPI ACC NO: 2002-178651/200223
XRPX Acc No: N2002-135821

Executing a correlated database query for selecting data records, involves computing subquery value by combining the computed result with the retrieved cached result

Patent Assignee: SYBASE INC (SYBA-N)
Inventor: BELLO R G; KIRK S A; MACNICOL R D; RAO J; YANG K T
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6341281	B1	20020122	US 199881782	P	19980414	200223 B
			US 1999285408	A	19990402	

Priority Applications (no., kind, date): US 199881782 P 19980414; US 1999285408 A 19990402

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6341281	B1	EN	27	14	Related to Provisional US 199881782

Alerting Abstract US B1

NOVELTY - Correlated and uncorrelated portions of a received database query is determined. A cache is then created in the memory to store the result computed for the uncorrelated portion after the subquery has been executed for the first time. The query is then executed by evaluating the expression of the subquery by computing a result for the correlated portion.

DESCRIPTION - The cached result for the uncorrelated portion of the subquery is then retrieved. A subquery value is then computed by combining the computed result with the retrieved cached result.

INDEPENDENT CLAIMS are also included for the following:

- 1.a query execution system;
- 2.a client-server database system

USE - For computer system.

ADVANTAGE - Prevents unnecessary execution of the invariant portion of the subquery, especially if the number of iterations is large. Teaches an existing join optimizer to understand the invariant feature and thus allow it to be able to generate better join plans in the new context. Provides significantly better performance than the traditional nested iteration method.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram illustrating the use of a subquery.

Title Terms/Index Terms/Additional Words: EXECUTE; CORRELATE; DATABASE; QUERY; SELECT; DATA; RECORD; COMPUTATION; VALUE; COMBINATION; RESULT; RETRIEVAL

Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B3; T01-J05B4M

Original Publication Data by Authority

Original Abstracts:

...join optimizer to understand the invariant feature and thus allow it to be able to **generate** better join plans in the **new** context. When **query** rewriting is not possible, therefore, the invariant technique provides significantly better performance than the traditional...

Claims:

...said inner query block comprising a subquery nested within the database query, wherein said at **least** one subquery references information from said **outer** query block; (b) determining **at** least one correlated part and at least one uncorrelated part of said subquery, wherein only...

10/69,K/16 (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0011011224 - Drawing available
WPI ACC NO: 2001-636655/200173

Method for offering last updated information in information retrieval system over internet

Patent Assignee: WIPS CO LTD (WIPS-N)

Inventor: AHN J E; KIM Y H

Patent Family (1 patents, 1 countries)

Patent			Application		
Number	Kind	Date	Number	Kind	Date Update
KR 2001044143	A	20010605	KR 200070178	A	20001124 200173 B

Priority Applications (no., kind, date): KR 200070178 A 20001124

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
KR 2001044143	A	KO	1	10	

Alerting Abstract KR A

NOVELTY - A last updated information service method is provided to automatically search information from a database by search queries set in advance, to transmit the search result to a user via an e-mail, and to solve problems caused when the number of searched information is large so that it enhances a speed and an easiness in offering customized information service.

DESCRIPTION - The method comprises steps of a user accessing a new information service site(S2), the user requesting the new information service(S3), the user inputting personal data necessary for the service(S4), the user selecting wanted fields and inputting combined search queries(S5), the service site storing the combined **search queries** (S6), the service site executing the **stored search queries** every time the **new data is updated** (S7), the service site **making** HTML document on the searched result(S8), the service site storing the HTML document on a personalized area(S9), the service site transmitting new update notification mail to the user with a hyper link data(S10), and the user clicking on the hyper link data(S13).

Title Terms/Index Terms/Additional Words: METHOD; OFFER; LAST; UPDATE; INFORMATION; RETRIEVAL; SYSTEM

Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B

Alerting Abstract ...selecting wanted fields and inputting combined search queries(S5), the service site storing the combined **search queries** (S6), the service site executing the **stored search queries** every time the **new data is updated** (S7), the service site **making** HTML document on the searched result(S8), the service site storing the HTML document on...

10/69,K/20 (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0009896890

WPI ACC NO: 2000-195380/200017

XRPX Acc No: N2000-144526

Information retrieval method uses both the probability that a document is relevant independent of query words and the probability that the query as generated by a particular document

Patent Assignee: GENUITY INC (GENU-N); GTE INTERNETWORKING INC (SYLV);
GTE SERVICE CORP (SYLV); LEEK T R (LEEK-I); MILLER D R H (MILL-I);
SCHWARTZ R M (SCHW-I)

Inventor: LEEK T R; MILLER D R H; SCHWARTZ R M

Patent Family (7 patents, 85 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2000007122	A1	20000210	WO 1999US16983	A	19990728	200017 B
AU 199952343	A	20000221	AU 199952343	A	19990728	200029 E
EP 1131746	A1	20010912	EP 1999937529	A	19990728	200155 E
			WO 1999US16983	A	19990728	
US 6405188	B1	20020611	US 1998127685	A	19980731	200244 E
JP 2002521767	W	20020716	WO 1999US16983	A	19990728	200261 E
			JP 2000562844	A	19990728	
US 20020138478	A1	20020926	US 1998127685	A	19980731	200265 E
			US 200295821	A	20020312	
US 7162468	B2	20070109	US 1998127685	A	19980731	200705 E
			US 200295821	A	20020312	

Priority Applications (no., kind, date): US 1998127685 A 19980731; US 200295821 A 20020312

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2000007122	A1	EN	34	4	
National Designated States,Original: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW					
Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW					
AU 199952343	A	EN			Based on OPI patent WO 2000007122
EP 1131746	A1	EN			PCT Application WO 1999US16983
					Based on OPI patent WO 2000007122
Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 2002521767	W	JA	34		PCT Application WO 1999US16983
					Based on OPI patent WO 2000007122
US 20020138478	A1	EN			Continuation of application US 1998127685
US 7162468	B2	EN			Continuation of application US 1998127685
					Continuation of patent US 6405188

Alerting Abstract WO A1

NOVELTY - A second pass identifies documents using additional words found in the highest ranked documents. To this end a **new query is generated** based on words found in the highest ranked documents. A generative model models the process of the user creating a query by using a hidden Markov model.

DESCRIPTION - The probability that a document is relevant independent of

a **query** seeking documents may be determined by **reference** to **retrieval history** , e.g. that documents from certain sources tend to be more relevant than others. This is used to reformulate the probability of a document being relevant to a particular query word(s) using Bayes' rule and the probability that the query was generated by a particular document given that document is relevant. These probabilities are calculated and then ranked in order. INDEPENDENT CLAIMS are included for

1.a data processing system arranged to retrieve information

2.and a computer readable medium containing instructions to cause a data processing system to retrieve information.

USE - Retrieving information from digital libraries.

ADVANTAGE - The use of probabilities allows more accurate retrieval.

Title Terms/Index Terms/Additional Words: INFORMATION; RETRIEVAL; METHOD; PROBABILITY; DOCUMENT; RELEVANT; INDEPENDENT; QUERY; WORD; GENERATE

Class Codes

International Classification (Main): G06F-017/30

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0017/30 A I R 20060101

G06F-0017/30 A I F B 20060101

G06F-0017/30 C I R 20060101

File Segment: EngPI; EPI;

DWPI Class: T01; W04; P86

Manual Codes (EPI/S-X): T01-J05B1; T01-J05B3; W04-V05

Alerting Abstract ...identifies documents using additional words found in the highest ranked documents. To this end a **new query** is **generated** based on words found in the highest ranked documents. A generative model models the process...

DESCRIPTION - The probability that a document is relevant independent of a **query** seeking documents may be determined by **reference** to **retrieval history** , e.g. that documents from certain sources tend to be more relevant than others. This...

Original Publication Data by Authority

Original Abstracts:

...consistent with the present invention provide an improved IR system that performs information retrieval by **using** probabilities. When **performing** information **retrieval** , the improved IR system **utilizes** both the **prior** probability (410) that a document is relevant independent of the query as well as the...

...consistent with the present invention provide an improved IR system that performs information retrieval by **using** probabilities. When **performing** information **retrieval** , the improved IR system **utilizes** both the **prior** probability that a document is relevant independent of the query as well as the probability that performs information retrieval by **using** probabilities. When **performing** information **retrieval** , the improved IR system **utilizes** both the **prior** probability that a document is relevant independent of the query as well as the probability...

...consistent with the present invention provide an improved IR system that performs information retrieval by **using** probabilities. When **performing**

information retrieval , the improved IR system utilizes both the prior probability that a document is relevant independent of the query as well as the probability...

...consistent with the present invention provide an improved IR system that performs information retrieval by using probabilities. When performing information retrieval , the improved IR system utilizes both the prior probability (410) that a document is relevant independent of the query as well as the...

Claims:

...the final relevancy score; selecting a number of ranked information items to be used in generating a new query ; identifying words found in common among the selected number of ranked information items; generating the new query , wherein the new query includes the query word and the words found in common among the selected number of ranked information items; retrieving a number of information items found to be relevant based on the new query ; and presenting the list of relevant information items to the user...

10/69,K/21 (Item 21 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0009814869 - Drawing available
WPI ACC NO: 2000-105192/200009
Related WPI Acc No: 2001-449830
XRPX Acc No: N2000-080819

Search queries refining assistance method in computer system

Patent Assignee: AMAZON.COM (AMAZ-N); AMAZON.COM INC (AMAZ-N)
Inventor: BOWMAN D E; HAMRICK M L; KOHN T R; ORTEGA R E; SPIEGEL J R
Patent Family (6 patents, 85 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6006225	A	19991221	US 199889244	P	19980615	200009 B
			US 1998145360	A	19980901	
WO 1999066427	A1	19991223	WO 1999US13035	A	19990611	200009 E
AU 199946783	A	20000105	AU 199946783	A	19990611	200024 E
EP 1104567	A1	20010606	EP 1999930195	A	19990611	200133 E
			WO 1999US13035	A	19990611	
JP 2002518748	W	20020625	WO 1999US13035	A	19990611	200243 E
			JP 2000555183	A	19990611	
MX 2000012374	A1	20020401	WO 1999US13035	A	19990611	200363 E
			MX 200012374	A	20001213	

Priority Applications (no., kind, date): US 199889244 P 19980615; US 1998145360 A 19980901

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6006225	A	EN	21	9	Related to Provisional US 199889244
WO 1999066427	A1	EN			
National Designated States,Original: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW					
Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW					
AU 199946783	A	EN			Based on OPI patent WO 1999066427
EP 1104567	A1	EN			PCT Application WO 1999US13035
					Based on OPI patent WO 1999066427
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
JP 2002518748	W	JA	52		PCT Application WO 1999US13035
					Based on OPI patent WO 1999066427
MX 2000012374	A1	ES			PCT Application WO 1999US13035
					Based on OPI patent WO 1999066427

Alerting Abstract US A

NOVELTY - The search queries submitted to the search engine over a period of time, are processed to generate query term correlation data. A data structure which links the key terms to the related terms is generated based on correlation's between occurrences of terms with historical query submissions. The data structure is accessed to look-up related terms.

DESCRIPTION - The query term correlation data reflects frequencies with which query terms appear together within the same search query. For each query term in the search query, a set of terms that have previously occurred in combination with respective query term within a successful query is identified. The query terms are presented so as to allow the user to refine the search query. An INDEPENDENT CLAIM is also included for the system for generating related terms to facilitate interactive refinement of search queries.

USE - For internet users.

ADVANTAGE - The related terms can be identified and presented to the user till or no added delay, because they are identified from previously generated correlation data, without the need to parse documents or correlate terms.

DESCRIPTION OF DRAWINGS - The figure illustrates the process to generate the correlation table.

Title Terms/Index Terms/Additional Words: SEARCH; QUERY; REFINE; ASSIST; METHOD; COMPUTER; SYSTEM

Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H07C5A; T01-H07C5E; T01-J05B3; T01-J05B4A

Original Publication Data by Authority

Original Abstracts:

...correlation data which reflects the frequencies with which specific terms have previously appeared within the **same** query. The correlation data **is** generated and stored in a look-**up** table (137) using an off-line **process** (136) which parses a query log file (135). The table (137) is regenerated periodically from...

...selected from the table (137) so as to guarantee that the modified queries will not **produce** a NULL query **result** .

...

...frequencies with which specific terms have previously appeared within the same query. The correlation data **is** generated and stored in a look-up table using an off- **line** process which parses a query **log** file. The table is regenerated periodically from the most recent query submissions (e.g., the...

...so as to guarantee that the modified queries will not produce a NULL query result.

...

...have previously appeared within the same query. The correlation data is generated and stored in a look-up table (137) **using** an off-line process (136) which **parses** a query log file (135). The **table** (137) is regenerated periodically from the most recent query submissions (e.g., the last two...

...the modified queries will not produce a NULL query result.

Claims:

...to a community of users, a method of assisting users in refining search queries to **enhance** discovery, **the** method comprising the computer-implemented steps of: (a) processing search queries submitted to the search...

10/69,K/22 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0008632356 - Drawing available

WPI ACC NO: 1998-169366/199815

Related WPI Acc No: 1998-169367

XRPX Acc No: N1998-134416

Updating view of unstructured database represented by edge-labelled tree - performing update query on added part of database when addition to database occurs having first determined in which portion of database that addition is made

Patent Assignee: AT & T CORP (AMTT)

Inventor: SUCIU D

Patent Family (3 patents, 21 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 1998008170	A1	19980226	WO 1997US14336	A	19970815	199815 B
US 5987449	A	19991116	US 199624504	P	19960823	200001 E
			US 1997905804	A	19970812	
US 5999926	A	19991207	US 199624504	P	19960823	200004 E
			US 1997910010	A	19970812	

Priority Applications (no., kind, date): US 1997905804 A 19970812; US 199624504 P 19960823; US 1997910010 A 19970812

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1998008170	A1	EN	28	11	
National Designated States,Original: CA JP MX					
Regional Designated States,Original: AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
US 5987449	A	EN			Related to Provisional US 199624504
US 5999926	A	EN			Related to Provisional US 199624504

Alerting Abstract WO A1

The view of a database is represented by an edge-labelled tree. An update entry is applied to an added part of the database. The results of the **update query** are added to the view to **generate** an updated view.

The database is further decomposed into several database portions based on a query. The query is decomposed into several **update queries**. Each of the **update queries** corresponds to one of the database portions. One of the database portions is identified that contains the added part. Finally, one of the **update queries** is applied that corresponds to an identified database portion as the **update query**.

ADVANTAGE - Technique maintains view that reduces cost and time required to incorporate database updates.

Title Terms/Index Terms/Additional Words: UPDATE; VIEW; UNSTRUCTURED; DATABASE; REPRESENT; EDGE; LABEL; TREE; PERFORMANCE; QUERY; ADD; PART; OCCUR; FIRST; DETERMINE; PORTION; MADE

Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B4M

...performing update query on added part of database when addition to

database occurs having first determined in which...

Alerting Abstract ...update entry is applied to an added part of the database. The results of the **update query** are added to the view to **generate** an updated view...

...decomposed into several database portions based on a query. The query is decomposed into several **update queries**. Each of the **update queries** corresponds to one of the database portions. One of the database portions is identified that contains the added part. Finally, one of the **update queries** is applied that corresponds to an identified database portion as the **update query**.

Original Publication Data by Authority

Original Abstracts:

...of the database the addition is made. Then an update query is performed on the **added** portion. The **update query** is determined by selecting a state corresponding to a portion as a root state and ignoring all previous states and transitions. The update query is applied to the portion of the **database** that the **addition** is made. The result of the update query is incorporated with the results of the **query** to produce an updated view.

...

...is made. Then an update query is performed on the added portion. The update query is determined by **selecting** a state corresponding to a portion as a **root state** and ignoring all previous states and transitions. The update query is applied to the portion of the **database** to which the addition is **made**. The **result** of the update query is incorporated with the results of the **query** to produce an updated **view**.

Claims:

...an added part of the unstructured database; adding the results of the update query to **the view** to generate an updated view; decomposing the unstructured database into a plurality of unstructured database **portions** based on a query; decomposing **the query into** a plurality of update queries, each of the update queries corresponding to one of the unstructured database portions; identifying one of the database portions that contains the **added part**; and applying one of **the** update queries that corresponds to an identified database portion as the update query.

10/69,K/23 (Item 23 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0008025280 - Drawing available
WPI ACC NO: 1997-118681/199711
XRPX Acc No: N1997-097824

User query to database table query matching for computer databases - has program that compares user query to sub-queries of tables to generate list of only tables where sub-query includes portion of user query

Patent Assignee: WISCONSIN ALUMNI RES FOUND (WISC)

Inventor: IOANNIDIS Y E; SOLOMON M H; TSATALOS O G

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 5600829	A	19970204	US 1994300670	A	19940902	199711 B

Priority Applications (no., kind, date): US 1994300670 A 19940902

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5600829	A	EN	12	22	

Alerting Abstract US A

The database includes at least two tables of stored data with physical structures that link data of particular attributes together according to relations. A sub-query is in the same form as the user query. A different sub-query is associated with each table and describes all of the attributes and relations of the table in query form. A program operating on an electronic computer communicates with the memory to accept a user query for the database from a user, compare the user query to the sub-queries of the tables to generate a list of only the tables where the sub-query includes a portion of the user query. The program operating on the electronic computer also **generates a new query** equivalent to the user query but directed to at least one table on the list. Executes the **new query** in place of the user query to respond to the user query.

ADVANTAGE - Permits drafting of **query** without **reference** to physical structure of data in computer memory.

Title Terms/Index Terms/Additional Words: USER; QUERY; DATABASE; TABLE; MATCH; COMPUTER; PROGRAM; COMPARE; SUB; GENERATE; LIST; PORTION

Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H07C3E; T01-J05B4M

Alerting Abstract ...includes a portion of the user query. The program operating on the electronic computer also **generates a new query** equivalent to the user query but directed to at least one table on the list. Executes the **new query** in place of the user query to respond to the user query...

...ADVANTAGE - Permits drafting of **query** without **reference** to physical structure of data in computer memory.

10/69,K/24 (Item 24 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0007798047 - Drawing available
WPI ACC NO: 1996-424973/199642.
XRPX Acc No: N1996-357846

**Generating computer programs for database queries and prototyping -
creating object-oriented diagram of data structures within database as
object classes and relationships, transforming classes to specify query ,
revising diagram of query and automatically generating code**

Patent Assignee: GENERAL ELECTRIC CO (GENE)

Inventor: BLAHA M R; PREMERLANI W J; RUMBAUGH J E; SALEMME R M

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5555367	A	19960910	US 1994315514	A	19940930	199642 B

Priority Applications (no., kind, date): US 1994315514 A 19940930

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5555367	A	EN	16	8	

Alerting Abstract US A

Computer programs are generated for queries by manipulating an object-oriented diagram. A query is specified for the object diagram. A series of transformations are performed on the object classes within the object diagram in accordance with the query.

A **revised** object diagram representative of the **query** is then **produced** . Computer code is then automatically **generated** for the **query** from the **revised** object diagram. The code is **used** to prototype programs that **query** and/or **update** data **stored** in a database.

ADVANTAGE - Improves programmer **productively** and reduces errors in coding database **query** and **update** operations.

Title Terms/Index Terms/Additional Words: GENERATE; COMPUTER; PROGRAM;
DATABASE; QUERY; OBJECT; ORIENT; DIAGRAM; DATA; STRUCTURE; CLASS; RELATED
; TRANSFORM; SPECIFIED; AUTOMATIC; CODE

Class Codes

International Classification (Main): G06F-003/14

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J20B

**...diagram of data structures within database as object classes and
relationships, transforming classes to specify query , revising diagram
of query and automatically generating code**

Alerting Abstract ...A revised object diagram representative of the **query** is then **produced** . Computer code is then automatically **generated** for the **query** from the **revised** object diagram. The code is **used** to prototype programs that **query** and/or **update** data **stored** in a database
...

...ADVANTAGE - Improves programmer **productively** and reduces errors in coding database **query** and **update** operations.

Original Publication Data by Authority

Original Abstracts:

...the object classes within the object diagram in accordance with the query. A revised object **diagram** representative **of** the query is then produced. **Computer** code is **then** automatically generated for the query **from** the revised **object** diagram. The **code** is used to prototype programs **that** query and/or update **data** stored in **a** database.

Claims:

...of the query;</br>producing a revised object-oriented diagram representative of the query; and</br>automatically **generating** a code **for** the **query** from the revised object-oriented diagram.

Set	Items	Description
S1	77019	(NEW??? OR ENHANC? OR UPDATE? ? OR UPDATING? OR UP()DATE? ? OR MODIF? OR REVIS??? OR REFIN? OR META) (7N) (SEARCH? OR RESEARCH? OR RETRIEV? OR INQUIR? OR QUERY? OR QUERIES OR REQUEST? OR METAQUER? OR DATAMIN? OR DATA()MIN??? ? OR METADATA?)
S2	17652	S1(7N) (CREAT? OR PRODUC? OR DEVELOP? OR ORIGINAT? OR MAKE? OR MAKING? OR MADE OR GENERAT? OR YIELD? OR CONSTRUCT? OR INITIAT? OR INTRODUC?)
S3	393753	(ORIGINAL? OR HISTOR? OR OLD??? OR PREVIOUS? OR PRIOR OR STORE? ? OR EARLY OR EARLIE? ? OR PRECED??? OR REFEREN?) (7N) (SEARCH? OR RESEARCH? OR RETRIEV? OR INQUIR? OR QUERY? OR QUERIES OR REQUEST? OR METAQUER? OR METADATA? OR META()QUER??? ? OR DATMIN?)
S4	49242	S3(7N) (USED OR USES OR USING OR UTILI? OR APPLY? OR APPLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR IMPLEMENT? OR BENEFIT? OR REFERENC?)
S5	1233	S2(100N) S4
S6	251	S1:S5(100N) (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DETERMIN? OR PROBABIL?) (5N) (BUSINESS? OR COMPAN? OR INDUSTR?-) (3N) (PERFORMANCE? OR OUTLOOK? OR WORTH)
S7	530	S5:S6(100N) (NEW??? OR ENHANC? OR UPDAT?) (3N) (QUER??? ? OR SEARCH? OR QUESTION?)
S8	7	S7(100N) (METAQUER? OR META()QUER??? ? OR DATAMIN? OR DATA(-) (MINE? ? OR MINING))
S9	523	S7 NOT S8
S10	74	S9(50N) (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DETERMIN? OR PROBABIL?) (5N) (BUSINESS? OR COMPAN? OR INDUSTR?) (3N) (PERFORMANCE? OR OUTLOOK? OR WORTH)
S11	74	S10(25N) (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DETERMIN? OR PROBABIL?) (5N) (BUSINESS? OR COMPAN? OR INDUSTR?) (3N) (PERFORMANCE? OR OUTLOOK? OR WORTH)
S12	74	S11(10N) (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DETERMIN? OR PROBABIL?) (5N) (BUSINESS? OR COMPAN? OR INDUSTR?) (3N) (PERFORMANCE? OR OUTLOOK? OR WORTH)
S13	74	S12(10N) (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DETERMIN? OR PROBABIL?) (3N) (BUSINESS? OR COMPAN? OR INDUSTR?) (3N) (PERFORMANCE? OR OUTLOOK? OR WORTH)
S14	49	S13 NOT (AD>2003 OR AD=2004:2007)
S15	2	S14(10N) (NEW??? OR ENHANC? OR UPDAT?) () (QUER??? ? OR SEARCH OR QUESTION?)
S16	47	S14 NOT S15
S17	16	S16 NOT ACCENTUR?

File 348:EUROPEAN PATENTS 1978-2007/ 200708

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File 349:PCT FULLTEXT 1979-2007/UB=20070308UT=20070301

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8/5,K/3 (Item 3 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01014239

SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR PATENT-CENTRIC AND
GROUP-ORIENTED DATA PROCESSING

SYSTEM, VERFAHREN UND PROGRAMMPRODUKT ZUR GRUPPENORGANISIERTEN
DATENVERARBEITUNG VON PATENTEN

SYSTEME, PROCEDE, ET PRODUIT DE PROGRAMMES INFORMATIQUES POUR LE TRAITEMENT
DE DONNEES AXES SUR DES BREVETS D'INVENTION

PATENT ASSIGNEE:

MICROPATENT LLC, (2108681), 250 Dodge Avenue, East Haven, CT 06512, (US),
(Proprietor designated states: all)

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LEGAL REPRESENTATIVE:

Milhench, Howard Leslie et al (33863), R.G.C. Jenkins & Co. 26 Caxton
Street, London SW1H 0RJ, (GB)

PATENT (CC, No, Kind, Date): EP 986789 A1 000322 (Basic)
EP 986789 B1 020918
WO 98055945 981210

APPLICATION (CC, No, Date): EP 98930054 980602; WO 98US10923 980602

PRIORITY (CC, No, Date): US 867392 970602; US 921369 970829

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

RELATED DIVISIONAL NUMBER(S) - PN (AN):

EP 1184798 (EP 2001124936)

INTERNATIONAL PATENT CLASS (V7): G06F-017/30

CITED PATENTS (EP B): US 5544352 A; US 5623679 A

CITED PATENTS (WO A): US 5623679 A ; US 5544352 A

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 010117 A1 Title of invention (German) changed: 20001128
Application: 20000322 A1 Published application with search report
Change: 060405 B1 Title of invention (French) changed: 20060405
Change: 060405 B1 Title of invention (English) changed: 20060405
Change: 060405 B1 Title of invention (German) changed: 20060405
Lapse: 050112 B1 Date of lapse of European Patent in a
contracting state (Country, date): AT
20020918, BE 20020918, CH 20020918, LI
20020918, CY 20030602, DE 20021219, ES
20030328, GR 20020918, IE 20030602, LU
20030602, MC 20030630, NL 20020918, PT
20021219, SE 20021218,
Lapse: 040901 B1 Date of lapse of European Patent in a
contracting state (Country, date): AT
20020918, BE 20020918, CH 20020918, LI
20020918, CY 20030602, DE 20021219, ES
20030328, GR 20020918, IE 20030602, NL

20020918, PT 20021219, SE 20021218,
 Lapse: 040922 B1 Date of lapse of European Patent in a
 contracting state (Country, date): AT
 20020918, BE 20020918, CH 20020918, LI
 20020918, CY 20030602, DE 20021219, ES
 20030328, GR 20020918, IE 20030602, LU
 20030602, NL 20020918, PT 20021219, SE
 20021218,
 Lapse: 040714 B1 Date of lapse of European Patent in a
 contracting state (Country, date): AT
 20020918, BE 20020918, CH 20020918, LI
 20020918, DE 20021219, ES 20030328, GR
 20020918, IE 20030602, NL 20020918, PT
 20021219, SE 20021218,
 Lapse: 031126 B1 Date of lapse of European Patent in a
 contracting state (Country, date): AT
 20020918, BE 20020918, CH 20020918, LI
 20020918, DE 20021219, GR 20020918, NL
 20020918, PT 20021219, SE 20021218,
 Lapse: 030924 B1 Date of lapse of European Patent in a
 contracting state (Country, date): AT
 20020918, CH 20020918, LI 20020918, GR
 20020918, NL 20020918, PT 20021219, SE
 20021218,
 Lapse: 030716 B1 Date of lapse of European Patent in a
 contracting state (Country, date): GR
 20020918, NL 20020918, PT 20021219, SE
 20021218,
 Lapse: 030528 B1 Date of lapse of European Patent in a
 contracting state (Country, date): GR
 20020918, NL 20020918, SE 20021218,
 Lapse: 030402 B1 Date of lapse of European Patent in a
 contracting state (Country, date): SE
 20021218,
 Assignee: 020807 A1 Transfer of rights to new applicant:
 MICROPATENT LLC (2108681) 250 Dodge Avenue East
 Haven, CT 06512 US
 Examination: 010509 A1 Date of dispatch of the first examination
 report: 20010323
 Change: 010117 A1 Title of invention (English) changed: 20001128
 Change: 010117 A1 Title of invention (French) changed: 20001128
 Change: 011212 A1 Application number of divisional application
 (Article 76) changed: 20011025
 Grant: 020918 B1 Granted patent
 Lapse: 030514 B1 Date of lapse of European Patent in a
 contracting state (Country, date): GR
 20020918, SE 20021218,
 Oppn: 030709 B1 Opposition 01/20030518 Opposition filed
 Dr. Ralf Steiner (150840) Unterstudtlistr. 10
 9470 Buchs (CH)
 Lapse: 030730 B1 Date of lapse of European Patent in a
 contracting state (Country, date): AT
 20020918, GR 20020918, NL 20020918, PT
 20021219, SE 20021218,
 Lapse: 031112 B1 Date of lapse of European Patent in a
 contracting state (Country, date): AT
 20020918, CH 20020918, LI 20020918, DE
 20021219, GR 20020918, NL 20020918, PT
 20021219, SE 20021218,
 Lapse: 040121 B1 Date of lapse of European Patent in a
 contracting state (Country, date): AT

20020918, BE 20020918, CH 20020918, LI
20020918, DE 20021219, ES 20030328, GR
20020918, NL 20020918, PT 20021219, SE
20021218,

Lapse: 040901 B1 Date of lapse of European Patent in a
contracting state (Country, date): AT
20020918, BE 20020918, CH 20020918, LI
20020918, CY 20030602, DE 20021219, ES
20030328, GR 20020918, IE 20030602, NL
20020918, PT 20021219, SE 20021218,

Lapse: 040922 B1 Date of lapse of European Patent in a
contracting state (Country, date): AT
20020918, BE 20020918, CH 20020918, LI
20020918, CY 20030602, DE 20021219, ES
20030328, GR 20020918, IE 20030602, LU
20030602, NL 20020918, PT 20021219, SE
20021218,

Lapse: 050525 B1 Date of lapse of European Patent in a
contracting state (Country, date): AT
20020918, BE 20020918, CH 20020918, LI
20020918, CY 20030602, DE 20021219, ES
20030328, FI 20020918, GR 20020918, IE
20030602, LU 20030602, MC 20030630, NL
20020918, PT 20021219, SE 20021218,

Application: 990414 A1 International application (Art. 158(1))
Examination: 20000322 A1 Date of request for examination: 19991230
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200238	5167
CLAIMS B	(German)	200238	4403
CLAIMS B	(French)	200238	5827
SPEC B	(English)	200238	73976
Total word count - document A			0
Total word count - document B			89373
Total word count - documents A + B			89373

...SPECIFICATION or without the original group.

Accordingly, the invention supports and facilitates "data drilling"
and/or " **data mining** ."

As noted above, according to the present invention, processing of the
patent information 204 is...groups are created according to HR (human
resources) information. In another example, the customer may **create**
groups to represent its competitors. In this case, the groups are created
according to **business** information or practices. In another example, the
customer may create groups based on its **future** products or feature
requirement. In this case, the groups are created according to its R...

17/5,K/4 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00971386 **Image available**

SYSTEM AND METHOD FOR KNOWLEDGE RETRIEVAL, MANAGEMENT, DELIVERY AND PRESENTATION

SYSTEME ET PROCEDE D'EXTRACTION, DE GESTION, DE DISTRIBUTION ET DE PRESENTATION DE CONNAISSANCES

Patent Applicant/Inventor:

OMOIGUI Nosa, 549 239th Avenue S.E., Sammamish, WA 98074, US, US
(Residence), US (Nationality)

Legal Representative:

LOWE David A (agent), Black Lowe & Graham, PLLC, 816 2nd Avenue, Seattle, WA 98104, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200301413 A1 20030103 (WO 0301413)

Application: WO 2002US20249 20020624 (PCT/WO US0220249)

Priority Application: US 2001300385 20010622; US 2002360610 20020228

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 72828

English Abstract

The present invention is directed to an integrated implementation framework and resulting medium for knowledge retrieval, management, delivery and presentation (Figure 8). The system includes a first server component that is responsible for adding and maintaining domain-specific semantic information and a second server component that hosts semantic and other knowledge for use by the first server component that work together to provide context and time-sensitive semantic information retrieval services to clients operating a presentation platform via a communication medium. Within the system, all objects or events in a given hierarchy are active Agents semantically related to each other and representing queries (comprised of underlying action code) that return data objects for presentation to the client according to a predetermined and customizable theme or "Skin". This system provides various means for the client to customize and "blend" Agents and the unerlying related queries to optimize the presentation of the resulting information.

French Abstract

La presente invention concerne une structure de mise en oeuvre et un moyen associe integres, destines a l'extraction, a la gestion, a la distribution et a la presentation de connaissances (Fig. 8). Ce systeme comprend un premier composant de serveur concu pour accumuler et mettre a jour des informations semantiques specifiques a un domaine et un second

composant de serveur conçu pour héberger des données sémantiques et d'autres connaissances destinées à être utilisées par le premier composant de serveur. Le premier et le second serveur coopèrent pour fournir des services d'extraction d'informations sémantiques asservies au temps et de contexte à des clients qui exploitent une plate-forme de présentation par l'intermédiaire d'un moyen de communication. Dans le système, les objets ou les événements dans une hiérarchie donnée sont des Agents actifs liés sémantiquement les uns aux autres, représentant des requêtes (comportant des codes d'action sous-jacents) qui permettent de transmettre des objets de données pour qu'ils soient présentés au client en fonction d'une <= enveloppe >= ou d'un thème prédéterminé et personnalisable. Ce système fournit plusieurs moyens permettant au client de personnaliser et de <= mélanger >= les Agents et les requêtes associées sous-jacentes pour optimiser la présentation des informations résultantes.

Legal Status (Type, Date, Text)

Publication 20030103 A1 With international search report.

Publication 20030103 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20030703 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... anew today or yesterday. Unless the user is notified or the user serendipitously discovers a **new** site when he or she does a **search**, he or she might not have any clue as to whether there are any **new** Web sites or pages. The same problem exists in enterprises. On Intranets, knowledge-workers have no way of knowing when **new** Web sites come up unless informed via some external means. The Web platform itself has...

...notion of announcements, or discovery. In addition,

9

there is no context-sensitive discovery to **determine new** sites or pages within the context of the user's task or current information space ...from the same problem-users either will have to find out about the existence of **new** information sources from external sources or through personal discovery when they perform a **search**.

DYNAMIC LINKING

Today's Web employs a pure network or graph "data structure," for its... needs to be maintained for it to have continuous value. If Web pages are not **updated** or if Web page or site authors do not have the discipline to add links...

17/5,K/10 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00871894 **Image available**

**SYSTEM, METHOD AND MEDIUM FOR FACILITATING TRANSACTIONS OVER A NETWORK
SYSTEME, PROCEDE ET SUPPORT FACILITANT DES TRANSACTIONS SUR UN RESEAU**

Patent Applicant/Assignee:

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(Residence), GB (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

FROST Colin, 23 Ronver Road, Lee, London SE12 0NR, GB, GB (Residence), GB
(Nationality), (Designated only for: US)

Legal Representative:

PRICE Nigel John King (agent), J.A.KEMP & CO., 14 South Square, Gray's
Inn, London, WC1R 5LX, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200205153 A2-A3 20020117 (WO 0205153)

Application: WO 2001IB1471 20010627 (PCT/WO IB01001471)

Priority Application: US 2000612552 20000707

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 49959

English Abstract

A system, method and medium are disclosed for creating and utilizing a virtual representation of a real user, for example a person or business entity, to facilitate consumer-to-business and business-to-business transactions on networks and other electronic media such as interactive digital television, personal digital assistants, and mobile phones. The system may be broken down conveniently into seven layers, with each later performing a group of functions within the system. A first layer assures the integrity and security of the consumer to business to business (C2B"sup"2) system of the present invention and the interface between the C2B"sup"2 system and individual users. A second layer identifies and supports user requirements at a given time, and provides status information. A third layer acquires, stores and processes user attributes in order to form and nurture the user's virtual representation. A fourth layer defines and obtains from a user the data and information necessary to service his or her requirements and secures and filters responses from suppliers to meet those requirements. A fifth layer completes and stores commercial transactions and supports a full range of commercial processes. A sixth layer carries out aggregation and presentation of statistical data gathered anonymously from the attributes of a large number of users, and the dissemination of consumer demand data down the supply chain. A seventh layer supports location-specific services and

responses to user requirements and preferences. Full integration of all seven layers into a cohesive whole results in a novel, integrated C2B² system.

French Abstract

L'invention concerne un systeme, un procede et un support permettant de creer et d'utiliser une representation virtuelle d'un utilisateur reel, par exemple une personne ou une entreprise, afin de faciliter des transactions consommateur-entreprise et entreprise-entreprise sur des reseaux et sur d'autres supports electroniques tels que la television numerique interactive, des assistants numeriques personnels et des telephones mobiles. Le systeme peut etre commodement reparti en sept couches, chacune realisant ulterieurement un groupe de fonctions dans le systeme. Une premiere couche permet d'assurer l'integrite et la securite du systeme consommateur-entreprise-entreprise (C2B²) de l'invention et de l'interface entre le systeme C2B² et des utilisateurs individuels. Une deuxieme couche permet d'identifier et de supporter des besoins utilisateur a un moment donne, et d'obtenir une information d'etat. Une troisieme couche permet d'acquies, de stocker et de traiter des attributs utilisateur de facon a former et a entretenir la representation virtuelle de l'utilisateur. Une quatrieme couche permet de definir et d'obtenir d'un utilisateur les donnees et l'information necessaires afin de repondre a ses besoins et de securiser et de filtrer des reponses de fournisseurs destinees a correspondre a ces besoins. Une cinquieme couche permet de completer et de stocker des transactions commerciales et de supporter un plein domaine de processus commerciaux. Une sixieme couche realise l'agregation et la presentation de donnees statistiques collectees anonymement a partir des attributs d'un grand nombre d'utilisateurs, ainsi que la dissemination des donnees de demande consommateur vers la chaine d'approvisionnement. Une septieme couche sert de support a des services specifiques d'emplacement et a des reponses aux besoins et aux preferences utilisateur. L'integration complete de ces sept couches en un ensemble concerté mene a un systeme C2B² integre.

Legal Status (Type, Date, Text)

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Examination 20020328 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20040415 Late publication of international search report
Republication 20040415 A3 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... in background jobs. In both cases reports are generated by MetaEngine 275 which can be **stored** in **MetaData** 276 and subsequently **retrieved** at any time by a user for **historical** analysis through the **MetaData** Browser 277. Such reports can be sent through MetaData Pusher 278 to third parties, such as the suppliers themselves, consumers, publishing houses, market research **companies**, consumer associations, etc. Supplier-specific feedback is used to monitor suppliers' **performance** over time, and ratify their supplier rating with a view to promoting, sustaining or demoting...

...256 altogether if that is warranted. Alternatively in the cases where a particular suppliers' under- **performance** can be pin-pointed to a particular product or service, said product or service can...

...FIG. 10 shows an exemplary process by which the C2B 2 system of the

invention **determines** the product or service indicated by a request expressed by RealMe and second those suppliers...

...be solicited. At 1000, CRP 250 retrieves the next (in order of submission by RealMe) **new inquiry** from RIM 221, for example the **new inquiry** corresponding to the raw **inquiry** "Tix my insurance" described in FIG. 7. At 1005, the CRP 250 conducts an intelligent match **determines** whether further resolution of the product/service type is required. In the insurance example cited...

...I was identified as the product/service; however, more information is necessary in order to **determine** which type of insurance is required. The CRP's 250 objective is to get to...

...255, and the PSU initiates a process to identify, validate and subsequently confirm the nominated **new** product/service to the PSU.

At 1010, if there is no successful match, the inquiry...

17/5,K/11 (Item 8 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00858385

METHOD AND APPARATUS FOR PROVIDING CUSTOMIZED INFORMATION
PROCEDE ET APPAREIL SERVANT A METTRE A DISPOSITION DES INFORMATIONS
PERSONNALISEES

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

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Priority Application: US 2000205251 20000519

Designated States:

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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): H04J-011/00

International Patent Class (v7): G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 15090

English Abstract

A method and apparatus for providing customized information to a customer. The invention enables a provider to provide customized information in the form of summaries, analysis and stories, that has been determined to be useful to the customer. The customer may receive the customized information from the provider in a variety of ways, including via a customized information portal, an email, a facsimile, etc.

French Abstract

La presente invention concerne un procede et un appareil servant a mettre des informations personnalisees a la disposition d'un client. L'invention permet a un prestataire de fournir des informations personnalisees se presentant sous la forme de resumes, d'analyses, et d'historiques, qui ont etes determinees comme utiles au client. Le client peut recevoir les informations personnalisees du prestataire de differentes facon, y compris via un portail d'informations personnalise, une boite de courrier electronique, un telecopieur, etc.

Legal Status (Type, Date, Text)

Publication 20011129 A1 With international search report.

Publication 20011129 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:
Detailed Description

Detailed Description

... webcasts can feature selected outside experts, consultants, and guests for commentary on current and breaking **news**, in a format that enables audience members to participate in the discussion. In addition, webcasts ...

...common interests, and experts who can address those interests. In interactive webcasts, participants can pose **questions** and make comments from their keyboards, from microphones attached to their PCs, via the telephone...

...of the webcasts such that they are available anywhere and anytime. In some embodiments, the **performance** of the provider's video technology is **enhanced** by installing video relay devices in or near customer sites.

Webcasts, either from the webcast...

...Such newscasts can be implemented using streaming video or broadcast technologies.

22 Webcasts may be **stored** in the database, for later **retrieval** in response to **queries**.

In some embodiments, transcripts are prepared using voice-recognition software to allow for **search** responses based on the entire text of the webcast.

Returning to FIG. 4, market information...

...party provider. One third-party source of market information is Factiva, a Dow Jones & Reuters **company**. In the embodiment depicted in FIG. 4, the user is provided with market snapshot field...

...and selected stock quotes 432.

Market snapshot field 431 provides charts of financial market **performance** data.

The precise charts provided may be specific to each customer, based on the survey...

...wants to see.

Area 432 enables the user to view quotes of customer and competitor **company** stock, **futures** quotes, commodity prices, foreign exchange quotes, as well as internal customer data such as sales...

...information computer system, such as an intranet. In one embodiment, individual employees of a customer **company** can choose what types of information they will receive in area 432. This option is...

17/5,K/12 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00857279 **Image available**

METHOD AND APPARATUS FOR PROVIDING CUSTOMIZED INFORMATION
PROCEDE ET DISPOSITIF DE FOURNITURE D'INFORMATION PERSONNALISEE

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200190944 A1 20011129 (WO 0190944)

Application: WO 2001US16093 20010518 (PCT/WO US0116093)

Priority Application: US 2000205251 20000519

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004).

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 15101

English Abstract

A method and apparatus for providing customized information to a customer (310). The invention enables a provider (336) to provide customized information in the form of summaries, analysis and stories, that has been determined to be useful to the customer. The customer (310) may receive the customized information from the provider in a variety of ways, including via a customized information portal, an email, a facsimile, etc.

French Abstract

La presente invention concerne un procede et un appareil permettant de fournir a un client (310) de l'information personnalisee. L'invention permet a un fournisseur (336) de fournir de l'information personnalisee sous forme de resumes, d'analyses et de textes complets dont il a ete etabli qu'ils conviennent particulierement au client. Le client (310) peut ainsi recevoir l'information personnalisee en provenance du fournisseur par differentes voies, et notamment un portail d'information personnalise, un courrier electronique ou une telecopie.

Legal Status (Type, Date, Text)

Publication 20011129 A1 With international search report.

Publication 20011129 A1 Before the expiration of the time limit for

amending the claims and to be republished in the event of the receipt of amendments.
Examination 20020523 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... webcasts can feature selected outside experts, consultants, and guests for commentary on current and breaking **news**, in a format that enables audience members to participate in the discussion. In addition, webcasts...

...common interests, and experts who can address those interests. In interactive webcasts, participants can pose **questions** and make comments from their keyboards, from microphones attached to their PCs, via the telephone...

...of the webcasts such that they are available anywhere and anytime. In some embodiments, the **performance** of the provider's video technology is **enhanced** by installing video relay devices in or near customer sites.

Webcasts, either from the webcast...

...newscast.

Such newscasts can be implemented using streaming video or broadcast technologies.

Webcasts may be **stored** in the database, for later **retrieval** in response to **queries**.

In some embodiments, transcripts are prepared using voice-recognition software to allow for **search** responses based on the entire text of the webcast.

Returning to FIG. 4, market information...

...party provider. One third-party source of market information is Factiva, a Dow Jones & Reuters **company**. In the embodiment depicted in FIG. 4, the user is provided with market snapshot field 431 and selected stock quotes 432.

Market snapshot field 431 provides charts of financial market **performance** data.

The precise charts provided may be specific to each customer, based on the survey...

...wants to see.

Area 432 enables the user to view quotes of customer and competitor **company** stock, **futures** quotes, commodity prices, foreign exchange quotes, as well as internal customer data such as sales...

...information computer system, such as an intranet. In one embodiment, individual employees of a customer **company** can choose what types of information they will receive in area 432. This option is...

Set	Items	Description
S1	285885	(NEW??? OR ENHANC? OR UPDATE? ? OR UPDATING? OR UP()DATE? ? OR MODIF? OR REVIS??? OR REFIN? OR META) (7N) (SEARCH? OR RESEARCH? OR RETRIEV? OR INQUIR? OR QUERY? OR QUERIES OR REQUEST? OR METAQUER? OR DATAMIN? OR DATA()MIN??? ? OR METADATA?)
S2	69934	S1(7N) (CREAT? OR PRODUC? OR DEVELOP? OR ORIGINAT? OR MAKE? ? OR MAKING? OR MADE OR GENERAT? OR YIELD? OR CONSTRUCT? OR INITIAT? OR INTRODUC?)
S3	220301	(ORIGINAL? OR HISTOR? OR OLD??? OR PREVIOUS? OR PRIOR OR STORE? ? OR EARLY OR EARLIE? ? OR PRECED??? OR REFEREN?) (7N) (SEARCH? OR RESEARCH? OR RETRIEV? OR INQUIR? OR QUERY? OR QUERIES OR REQUEST? OR METAQUER? OR METADATA? OR META()QUER??? ? OR DATAMIN?)
S4	54035	S3(7N) (USED OR USES OR USING OR UTILI? OR APPLY? OR APPLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR IMPLEMENT? OR BENEFIT? OR REFERENC?)
S5	925	S2 AND S4
S6	117	S1:S5 AND (PREDICT? OR FORECAST? OR PROGNOST? OR FUTURE? OR DETERMIN? OR PROBABIL?) (5N) (BUSINESS? OR COMPAN? OR INDUSTR? - OR CORPORAT?) (3N) (PERFORMANCE? OR OUTLOOK? OR WORTH)
S7	1	S6 AND (NEW??? OR ENHANC? OR UPDAT?) (3N) (QUER??? ? OR SEARCH? OR QUESTION?)
S8	3	S6 AND (METAQUER? OR META()QUER??? ? OR DATAMIN? OR DATA()-(MINE? ? OR MINING))
S9	4	S7:S8
File	2:INSPEC 1898-2007/Mar W1	(c) 2007 Institution of Electrical Engineers
File	6:NTIS 1964-2007/Mar W2	(c) 2007 NTIS, Intl Cpyrgh All Rights Res
File	8:Ei Compendex(R) 1884-2007/Mar W1	(c) 2007 Elsevier Eng. Info. Inc.
File	34:SciSearch(R) Cited Ref Sci 1990-2007/Mar W1	(c) 2007 The Thomson Corp
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File	65:Inside Conferences 1993-2007/Mar 12	(c) 2007 BLDSC all rts. reserv.
File	94:JICST-EPlus 1985-2007/Mar W3	(c)2007 Japan Science and Tech Corp(JST)
File	95:TEME-Technology & Management 1989-2007/Mar W2	(c) 2007 FIZ TECHNIK
File	99:Wilson Appl. Sci & Tech Abs 1983-2007/Feb	(c) 2007 The HW Wilson Co.
File	111:TGG Natl.Newspaper Index(SM) 1979-2007/Mar 08	(c) 2007 The Gale Group
File	144:Pascal 1973-2007/Mar W1	(c) 2007 INIST/CNRS
File	239:Mathsci 1940-2007/Apr	(c) 2007 American Mathematical Society
File	256:TecInfoSource 82-2007/Oct	(c) 2007 Info.Sources Inc
File	434:SciSearch(R) Cited Ref Sci 1974-1989/Dec	(c) 2006 The Thomson Corp
File	583:Gale Group Globalbase(TM) 1986-2002/Dec 13	(c) 2002 The Gale Group